

Figure No. 88/89 ASME Section VIII Safety Valve



Installation & Operating Instructions

WHEN INSTALLING (OR ADJUSTING) THIS VALVE:

USE ONLY THE PROPER SIZED HEX WRENCH FOR ALL FITTINGS.

IF USING PIPING COMPOUND OR TAPE, DO NOT APPLY TO THE BOTTOM FEW THREADS AS THE PRESENCE OF ANY FOREIGN OBJECTS WITHIN THE VALVE CHAMBER COULD AFFECT THE PERFORMANCE OF THIS PRODUCT.

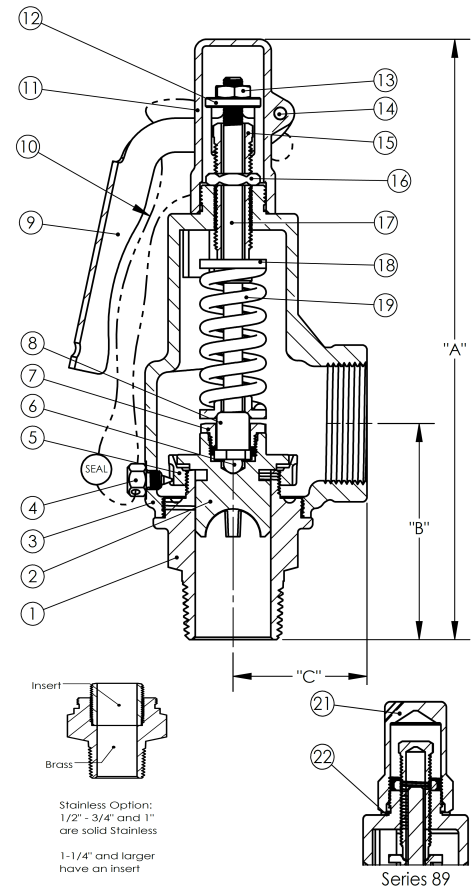
PRESSURE SETTINGS ARE BASED ON THE SPRING RANGES. IT IS ESSENTIAL THAT ANY NEW PRESSURE SETTING IS WITHIN THE RANGE OF THE INSTALLED SPRING. ADJUSTING THE PRESSURE OUTSIDE OF THIS RANGE COULD RESULT IN DANGEROUS SIDE EFFECTS. (CONTACT AQUATROL FOR SPECIFICATIONS)

IF THE SEAL WIRE IS BROKEN AND/OR THE PRESSURE IS ADJUSTED THE VALVE BECOMES NON-CODE.

- NOTE- THE VALVE SHOULD BE ADJUSTED USING A PRESSURE GAUGE WITHIN THE RANGE OF THE SPRING. ADJUSTMENT OUTSIDE OF THE PRESSURE RANGE CAN CAUSE THE VALVE TO BE COMPLETELY CLOSED OFF RESULTING IN SEVERE OVERPRESSURE.

ADJUSTMENT PROCEDURE:

- REMOVAL OF SEAL WIRE (10) VOIDS THE ASME CODE STAMP
- REMOVE THE SEAL WIRE (10)
- USING A PROPER SIZED WRENCH, REMOVE THE HOOD (11 or 21) and LIFT LEVER (9)
- LOOSEN THE LOCK NUT (16) (THERE IS NO LOCK NUT ON 1/2" AND 3/4")
- ADJUST THE PRESSURE SCREW (15)
- INCREASE PRESSURE BY TURNING CLOCKWISE (TIGHTEN).
- DECREASE PRESSURE BY TURNING COUNTER-CLOCKWISE (LOOSEN).
- THE LOWER RING (5) CAN BE ADJUSTED TO CONTROL BLOWDOWN AND SIZZLE. LOOSEN THE LOCK SCREW (4) AND THEN ADJUST.
- THE LOWER RING (5) IS ADJUSTED USING NOTCHES BUILT INTO THE RING. THE CLOSER YOU MOVE THE RING UP TO THE DISK (2) THE LESS SIZZLE YOU WILL HAVE, BUT THIS WILL CREATE A LONGER BLOWDOWN. MOVING THE RING DOWN CREATES THE OPPOSITE EFFECT.
- AFTER THE DESIRED PRESSURE AND BLOWDOWN IS OBTAINED, TIGHTEN THE LOCK NUT (16) AND LOCK SCREW (4)
- REINSTALL THE HOOD (11 or 21)
- DO NOT OVER TIGHTEN & ONLY USE PROPERLY SIZED WRENCHES THROUGHOUT.



ITEM	DESC.	MODEL / MATERIAL	
		88/89	88/89 B
1	Body	B16 / B283-C37700	316 SS
2	Disk	B62-C83600	316 SS
3	Bonnet	B584-C84400	B584-C84400
4	Lock Screw	B16	B16
5	Lower Ring	B584-C84400	B584-C84400
6	Ball	S.S.	S.S.
7	Disk Nut	B16	B16
8	Spring Support	B16	B16
9	Lift Lever	Plated Steel	Plated Steel
10	Seal Wire		
11	Hood	Aluminum	Aluminum
12	Lifter Nut	B16	B16
13	Jam Nut	18-8	18-8
14	Lever Pin	B16	B16
15	Pressure Screw	B16	B16
16	Locknut	B16	B16
17	Spring Post	B16	B16
18	Spring Plate	B16	B16
19	Spring	Stainless	Stainless
20	Name Plate	Aluminum	Aluminum
21	Hood	B16	B16
22	Washer	Nylon	Nylon

Customer Support/Service: 630-365-5400 Or Toll Free 1-800-323-0688

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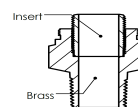
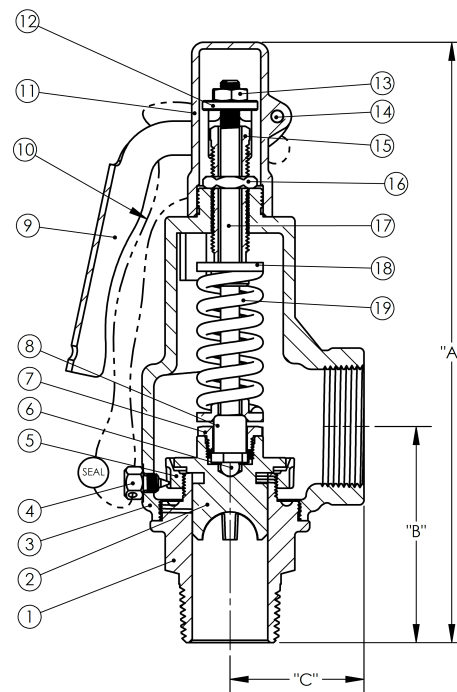


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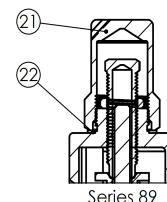
Disassembly and Re-Lapping Instructions

PROCEDURE:

- REMOVE THE SEAL WIRE (10)
- USING THE PROPER SIZED WRENCH REMOVE THE HOOD (11 OR 21) and LIFT LEVER (9)
- LOOSEN THE PRESSURE SCREW LOCK NUT (16) (THEIR IS NO LOCK NUT ON 1/2" AND 3/4" VALVES)
- LOOSEN THE PRESSURE SCREW (15) (COUNTER-CLOCKWISE)
- LOOSEN THE LOCK SCREW (4)
- REMOVE THE BONNET (3) FROM THE BODY (1)
 - PLACE THE HEX OF THE BODY (1) INTO A VISE
 - SCREW A FITTING INTO THE OUTLET OF THE BONNET (3)
 - USE A PIPE AND LOOSEN THE BODY (1) FROM THE BONNET (3)
- ONCE THE BODY (1) IS FREE FROM THE BONNET (3) REMOVE THE DISK (2) FROM THE BODY (1)
- USING A RAG WIPE DOWN THE SEATING SURFACE ON THE BODY (1) AND DISK (2)
- IF POSSIBLE USE A 400 GRIT LAPPING COMPOUND AND RE-LAP THE BODY (1) AND DISC (2) TOGETHER
 - PLACE LAPPING COMPOUND ON SEATING SURFACE OF THE BODY (1)
 - PLACE THE DISK (2) INTO THE BODY (1)
 - APPLY LIGHT PRESSURE, HOLD THE DISK (2) STATIONARY AND SPIN THE BODY (1) ONTO THE DISC FOR 2 MINUTES
- REMOVE THE BODY (1) AND DISK (2) FROM EACH OTHER AND WIPE CLEAN ANY LAPPING COMPOUND RESIDUE
- THE LAPPED AREAS ON THE DISK (2) AND BODY (1) SHOULD BE FREE OF ANY PREVIOUS MARKS, IF THERE ARE MARKS LEFT LAP AGAIN
- REASSEMBLE THE VALVE AND THEN ADJUST YOUR PRESSURE ACCORDNGLY
- PLEASE SEE THE FRONT OF THIS SHEET FOR PRESSURE ADJUSTMENT INSTRUCTIONS
- NOTE- IF THERE ARE ANY LARGE GOUGES ON THE SEATING SURFACE, MACHINING OR NEW PARTS WILL BE REQUIRED



Stainless Option:
1/2" - 3/4" and 1"
are solid Stainless
1-1/4" and larger
have an insert



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